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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,537	02/11/2004	Chong Chi Hsiung	14238 B	5152

36672 7590 09/12/2005

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EXAMINER

BINDA, GREGORY JOHN

ART UNIT	PAPER NUMBER
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3679

DATE MAILED: 09/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/777,537

Applicant(s)

HSIUNG, CHONG CHI

Examiner

Greg Binda

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 July 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) 2 and 3 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Election/Restrictions

1. Applicant's election without traverse of Species I shown in Figs. 2-4 in the reply filed on July 25, 2005 is acknowledged.
2. Claims 2 & 3 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on July 25, 2005.
 - a. Claim 2 reads only on an unelected species. See page 7, line 6 as originally filed.
 - b. Claim 3 reads only on an unelected species. See page 7, line 10 as originally filed.

Specification

3. The disclosure is objected to because:
 - a. Page 2, line 15, "effects need" should be changed to "effects that need"
 - b. Page 4, line 5, "six drive rod" should be changed to "six drive rods"
 - c. Page 5, line 10, "ball 37" should be changed to "ball 47"
 - d. Page 6, line 3, the word, "member" is misspelled

Claim Objections

4. Claim 1 is objected to because:
 - a. In lines 4 & 16, "on outer" should be changed to "on an outer"
 - b. In line 9, "with annular" should be changed to "with an annular"

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- c. In line 11, "at first" should be changed to "at the first"
- d. In line 14, "groove of" should be changed to "groove at the first end of"
- e. In line 15, "at center" should be changed to "at a center"

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Redard, US 2,811,025 in view of Glen, US 2,022,909. Redard shows a fixed rotary sleeve coupling comprising: a drive member 10 formed in the shape of cylinder, at a center of an end of which defined with a connecting hole 17, and plural recesses 27 averagely arranged about the drive member, on the outer periphery defined with a positioning hole 22 which is connected to the connecting hole, a positioning piece 21, 24 received in the positioning hole; a connecting rod 18 having a bent shape at both ends of the connecting rod respectively formed with an annular positioning groove 20, a first end of the connecting rod inserted in the connecting hole of the drive member, and the positioning groove at the first end of the connecting rod corresponding to the positioning hole of the drive member; a driven member 11 formed in the shape of a cylinder, at a center of an end of which is defined with a linking hole 17, and plural recesses 27 averagely arranged about the driven member, on the outer periphery of the driven member further defined a

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locating hole 22 which is connected to the linking hole, a positioning member 21, 24 received in the locating hole, at another end of the driven member defined with a connection portion, and a recess 13 formed on a periphery of the connecting portion which can be used for reception of an elastic member and a ball, the linking hole of the driven member provided for insertion of the second end of the connecting rod, the positioning groove of the connecting rod corresponding to the locating hole of the driven member, an end of the positioning member inserted in the positioning groove of the connecting rod; and plural drive rods 26 bent-shaped corresponding to the connecting rod 18, both ends of the respective drive rods received in the recesses 27 of the drive and driven members. Redard does not show the recesses 27 in the form of open grooves confined by cylinders.

In Figs. 1 & 2 Glen shows a rotary sleeve comprising cylindrical drive and driven members 10 & 11 having open grooves 14 for plural bent drive rods 16 confined by cylinders 15. On page 1, lines 5-11 and page 2, lines 59-72, Glen discloses using these grooves and cylinders so that the drive rods are slidable in the grooves. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the fixed rotary sleeve of Redard by making the recess 26 in the form of open grooves confined by cylinders in order to provide a means for making the drive rods slidable in the recesses/grooves as taught by Glen.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Anderson shows a fixed rotary sleeve.

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8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greg Binda whose telephone number is (571) 272-7077. The examiner can normally be reached on M-F 9:30 am to 7:00 pm with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on (571) 272-7087. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Greg Binda
Primary Examiner
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